1946

To: Suction Socket Makers

From: Eugene F. Murphy

Date: 7 October 1946

Subject: Valves for Suction Sockets

The following information has been received from Mr. Wagner:

The flange is to be placed on the inner side of the socket wall. A smooth counterbore can be readily obtained with a tool similar to a backspot facer. No hole will be necessary in the back side of the socket. (The dowel mentioned below may eliminate need for rounding the internal ring.)

While it may be desirable to use knurling to place the valve in the wall of the socket, a better vacuum seal will be obtained with a straight-sided valve. With a proper bonding material for the metal and wood, the valve will be held firmly in place. Proper tools for making a workmanlike job on the hole will be required. Narmco's adhesive (Metalbond) would be very good for this purpose. (NARMCO, INC. 541 Second Avenue, San Diego, Calif.)

By putting a dowel through the vacuum space at the bottom of the socket, the sock can be pulled down over the dowel, relieving any drag on the valve threads and, at the same time, allowing the sock to be pulled down evenly around the stump.

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